

# **ICE3045 (41): Intro to Machine Learning**

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**Embedded System Lab  
SKKU**

# Professor and TA

## ■ Professor

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## ■ TA

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# Outline

- Topics
- Overview of ICE3045

# Topics

## ■ **Basic concepts and algorithms** of machine learning

- How to implement them

## ■ Topics

- Linear & logistic regression
- Regularization
- Neural network
- Model selection
- Error Analysis
- Supervised learning
- Unsupervised learning
- ...

# Grading

## ■ Grade

■  $0.1A + 0.2H + 0.35M + 0.35F$

- A: Attendance
- H: Homework
- M: Mid Exam
- F: Final Exam (Comprehensive)

■ The grade formula may be changed.

# On-line Lecture

- Lecture (400126)

- Tue 10:30 – 11:45, Thurs 9:00 – 10:15

- But on-line lecture in this semester

# Off-line Exams

## ■ Off-line Mid exam and Final exam

### ■ Mid exam

■ 13:00 – 14:15 April 10 (Sat)

### ■ Final exam

■ 13:00 – 14:15 May 29 (Sat)

### ■ Locations

■ To be announced later

## ■ Exam schedules may be changed!

# Machine Learning for Games





# AlphaGo



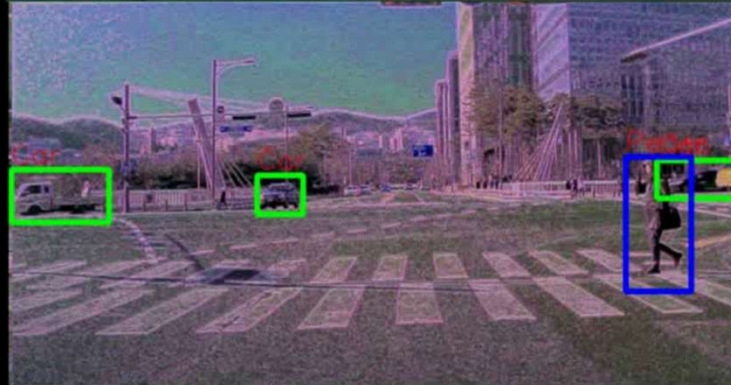
# Autonomous Driving



# Vehicle and Pedestrian Detection



Input images



Detected Results

# Questions

- Questions?
- Thank you and see you in the class.